

AMENDMENTS TO THE SPECIFICATION:

Page 4, replace the paragraph, beginning on line 14, bridging pages 4 and 5, with the following amended paragraph:

A --According to ~~another~~ another aspect of the present invention, a call admission control system in an ATM switch having a plurality of links connected thereto, includes: a traffic monitor for monitoring a QoS-unspecified traffic for each QoS-unspecified connection existing on each link; a memory for storing a cell traffic management table containing an average QoS-unspecified traffic for each QoS-unspecified connection existing on each link; and a call admission manager for calculating an estimated bandwidth by adding up average QoS-unspecified traffics for all existing QoS-unspecified connections on a link associated with a QoS-specified connection request, wherein the estimated bandwidth is a bandwidth to be assigned to the existing QoS-unspecified connections on the link, and determining whether the QoS-specified connection request is accepted, based on a combination of the estimated bandwidth and an assigned bandwidth that is already assigned in the link.--

Page 10, replace the paragraph, beginning on line 21, bridging pages 10 and 11, with the following amended paragraph:

A2 --The traffic type D37 indicates the type of the connection identified by the Index ~~S31~~ D31. Here, the traffic type D37 indicates whether the connection is of UBR traffic.

A2
Therefore, the cell traffic computation section 13 can calculate an average reception/transmission traffic of all UBR-traffic virtual connections currently established in a certain input/output line module by adding up N records contained in the cell traffic management table 21.--

Page 11, replace the paragraph, beginning on line 2, with the following amended paragraph:

--Referring to Fig. 2B, a call admission management table is also used for conventional CAC operation. The call admission management table can contain N records and has the following fields: Index D41, Line Number D42, VPI value D43, VCI value D44, Assigned bandwidth D45, and Type of traffic ~~D37~~ D46. The fields D41-D44 and D46 are the same as those of the cell traffic management table 21 as described before. The Assigned bandwidth D45 indicates the bandwidth currently used or occupied by CBR/VBR/UBR-traffic virtual connections. Therefore, by referring to the call admission management table and the cell traffic management table 21, as described hereafter, the call admission decision manager 12 can determine whether a connection request is accepted. It is possible to add the Assigned-bandwidth field D45 to the cell traffic management table 21.--